

CoDyCo: Foot Step and CoM Planner

- Main subtasks: Foot Step Planner + yarp_bridge
 - footstep_planner*
 - FootStepPlannerManager: hallows multiple consecutive goals
- Side subtask: CoM/ZMP/Feet Trajectory Planner
 - halfsteps_pattern_generator** (ROS ver.)
 - WalkingPatternGeneratorManager



footsteps_iCub.yaml

- 14 possible step samples

planning_params_iCub.yaml

- heuristic cost

*"Humanoid Navigation with Dynamic Footstep Plans" by J. Garimort, A. Hornung, and M. Bennewitz; published in Proc. of the IEEE International Conference on Robotics & Automation (ICRA), 2011

**"A biped walking pattern generator based on "half-steps" for dimensionality reduction." by N. Perrin, O. Stasse, F. Lamiroux, E. Yoshida. In Proc. of the 2011 IEEE International Conference on Robotics and Automation (ICRA)